

#### DESCRIPTION

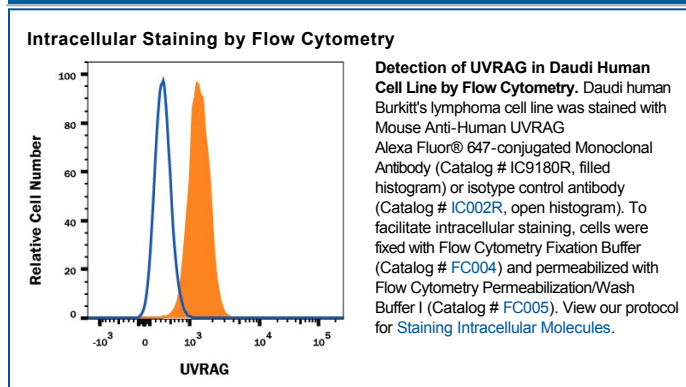
<b>Species Reactivity</b>	Human
<b>Specificity</b>	Detects human UVRAG in direct ELISAs.
<b>Source</b>	Monoclonal Mouse IgG <sub>1</sub> Clone # 953035
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	Human UVRAG synthetic peptide Accession # Q9P2Y5
<b>Conjugate</b>	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 nm
<b>Formulation</b>	Supplied in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details.  *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

#### APPLICATIONS

**Please Note:** Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the *Technical Information* section on our website.

	<b>Recommended Concentration</b>	<b>Sample</b>
<b>Intracellular Staining by Flow Cytometry</b>	5 µL/10 <sup>6</sup> cells	See Below

#### DATA



#### PREPARATION AND STORAGE

<b>Shipping</b>	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
<b>Stability &amp; Storage</b>	<b>Protect from light. Do not freeze.</b> ● 12 months from date of receipt, 2 to 8 °C as supplied.

#### BACKGROUND

UV radiation resistance-associated gene protein, or UVRAG, is a multi-function protein of 699 amino acids involved in the regulation of cellular pathways implicated in membrane trafficking. UVRAG activates the Beclin-1-PI3KC3 complex, a critical element in the autophagy signaling pathway. Binding studies show that UVRAG and Beclin-1 directly interact via their coiled-coil domains and that Beclin-1 functions as a platform for the formation of the Bcl-2-UVRAG-PI3KC3 complex. Chromosomal aberrations involving the UVRAG gene are associated with left-right axis malformation, and mutations in the gene have been associated with colon cancer.

#### PRODUCT SPECIFIC NOTICES

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